Monitoring Data Record

Project Title: R-967CA (NC 24/27)	COE Action ID: <u>200331135</u> DWQ Number: <u>030891</u>							
Stream Name: <u>UT Big Meadow Creek (Site 1)</u>								
City, County and other Location Information: Locust	t, Stanley County, NC 24/27 (Sta. 17+00 -							
<u>L-)</u>								
Date Construction Completed: 7-30-04	Monitoring Year: (1) of 5							
Date Construction Completed: 7-30-04 Ecoregion: 8 digit HUC	unit03040105							
USGS Quad Name and Coordinates:								
Rosgen Classification: B Stream Type								
Length of Project: 318' Urban or Rural: Rural	Watershed Size:							
Monitoring DATA collected by: M. Green	Date: <u>3-4-08</u>							
Applicant Information:								
Name: NCDOT - Roadside Environmenta	.l Unit							
Address: 1425 Rock Quarry Rd., Raleigh, NC, 27610								
Telephone Number: (919) 861- 3772 Email								
Consultant Inform								
Name:								
Address:								
Address: En	nail address:							
Project Status:								
Monitoring Level required by COE and DWQ (404 per Permit States: The permittee shall monitor the comp Monitoring Level 2 of the US Army Corps of Engineer Guidelines of April 2003. The monitoring reports, include and visual inspection notes identifying specific probe Engineers, Asheville Regulatory Field Office within 60 monitoring report will also include a discussion of any determinent the stream relocation as project mitigation will be evaluated the reference Stream Mitigation Guidelines.	pleted stream relocation in accordance with ers, Wilmington District, Stream Mitigation luding reference photographs, plant survival plem areas, will be submitted to the Corps of days of completion of the monitoring. The eviations to channel stability. The success of							
Section 1. PHOTO REFERENCE SITES (Monitoring at all levels must complete this section)								
Total number of reference photo locations at this site: looking upstream and downstream at each location.								
Dates reference photos have been taken at this site:	3-4-08							
Individual from whom additional photos can be obtain	ned (name, address, phone):							
Other Information relative to site photo reference:								
If required to complete Level 3 monitoring only sto	on here: otherwise, complete section 2							

If required to complete Level 3 monitoring <u>only</u> stop here; otherwise, complete section 2.

Section 2. PLANT SURVIVAL Attach plan sheet indicating reference photos. Identify specific problem areas (missing, stressed, damaged or dead plantings): Estimated causes, and proposed/required remedial action: ADDITIONAL COMMENTS: _____ The initial planting for the UT to Big Meadow Creek took place in 2004.

Replanting took place on 3-4-08 with the following plant species: Type I - Silky Dogwood, Black Willow. Type II – Willow Oak, Tulip Poplar, and Water Oak.

If required to complete Level 1 and Level 2 monitoring only stop here; otherwise, complete section 3.

Section 3. CHANNEL STABILITY

Visual Inspection: The entire stream project as well as each in-stream structure and bank stabilization/revetment structure must be evaluated and problems addressed.

Report on the visual inspection of channel stability. <u>Physical measurements of channel stability/morphology will not be required.</u> Include a discussion of any deviations from as-built and an evaluation of the significance of these deviations and whether they are indicative of a stabilizing or destabilizing situation.

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UT to Big Meadow Creek is stable for the Year 1 Winter evaluation. This stream relocation has recently had some
repairs to a few of the crossvanes that had water piping under the structures. NCDOT will continue to monitor this stream
relocation.

Date	Station	Station	Station	Station	Station
Inspected	Number	Number	Number	Number	Number
Structure					
Type					
Is water					
piping					
through or					
around					
structure?					
Head cut or					
down cut					
present?					
Bank or scour					
erosion					
present?					
Other					
problems					
noted?					

UT Big Meadow Creek



Photo Point #1 (Upstream)



Photo Point #2 (Upstream)



Photo Point #3 (Upstream)

Year 1 Winter – March 4, 2008



Photo Point #1 (Downstream)



Photo Point #2 (Downstream)



Photo Point #3 (Downstream)

UT Big Meadow Creek



Photo Point #4 (Upstream)

Year 1 Winter – March 4, 2008



Photo Point #4 (Downstream)